

ABSTRACT OF THE DISCLOSURE

A control system for a drilling machine is disclosed. The drilling machine includes a rod driver for driving a string of rods into the ground, and for removing the string of rods from the ground. The drilling machine also includes a magazine for storing rods near the rod driver. A
5 rod transfer mechanism moves rods between the magazine and the rod driver. Vices are used to make and break joints between the rods of the drill string. The control system includes joysticks equipped with switches for controlling operational sequences of the vices and the rod transfer mechanism.